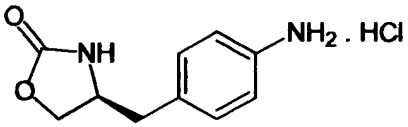
Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in this application.

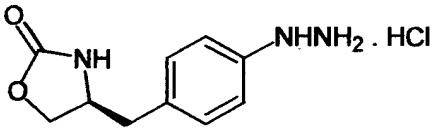
1. (Currently Amended) Process for preparing a pharmaceutically active compound, zolmitriptan, or a pharmaceutically acceptable salt thereof, ~~characterised in that it comprises the following stages~~ which comprises:

a) Preparation of the diazononium salt from the aniline hydrochloride of formula (II)



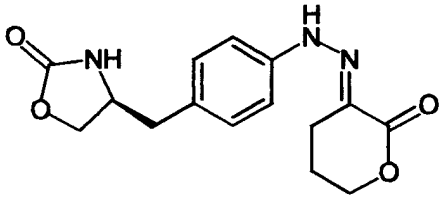
(II)

followed by reduction and acidification to give the hydrazine of formula (III):



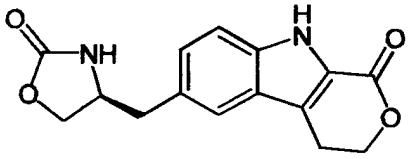
(III)

b) *In situ* reaction of the hydrazine hydrochloride of formula (III) with a-keto-d-valerolactone, to give the hydrazone of formula (IV):



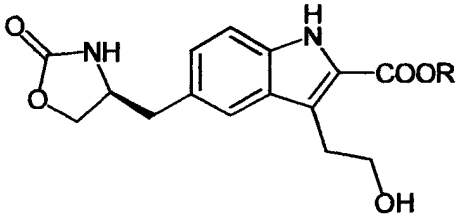
(IV)

c) Fischer indole synthesis of the hydrazone of formula (IV), to give the pyranoindolone of formula (V):



(V)

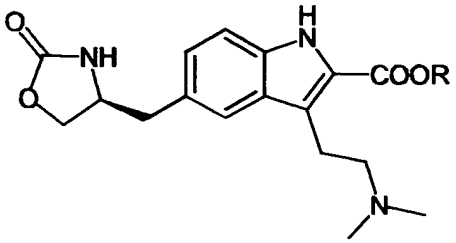
d) Transesterification of the pyranoindolone of formula (V), to provide the compound of formula (VI):



(VI)

in which R represents a straight or branched C1-C4 alkyl chain;

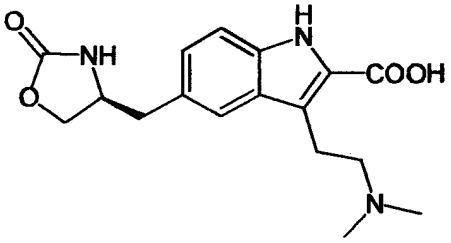
e) Conversion of the hydroxyl group of the compound of formula (VI) into dimethylamino, to give the indolecarboxylate of formula (VII):



(VII)

in which R represents a straight or branched C1-C4 alkyl chain;

f) Saponification of the 2-carboalkoxy group of the compound of formula (VII), to give the indolecarboxylic acid of formula (VIII):



(VIII)

g) Decarboxylation of the indolecarboxylic acid of formula (VIII), to give zolmitriptan and,

eventually, the preparation of a pharmaceutically acceptable salt thereof.

2. (Currently Amended) Process as claimed in Claim 1, ~~characterised in that~~ wherein said stage c) is carried out in a

solution of dry hydrogen chloride in acetic acid.

3. (Currently Amended) Process as claimed in Claim 1, ~~characterised in that~~ wherein said stages c) and d) are carried out in a one pot reaction.

4. (Currently Amended) Process as claimed in Claim 1 ~~and Claim 3~~, ~~characterised in that~~ wherein said stages c) and d) are carried out in a solution of dry hydrogen chloride in a straight or branched C1-C4 alcohol chain.

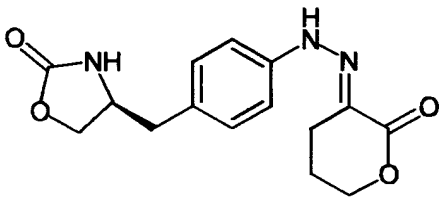
5. (Currently Amended) Process as claimed in Claim 1, ~~characterised in that~~ wherein said stage e) is carried out in two steps:

e-i) replacement of the hydroxyl group of the compound of formula (VI) by a leaving group X; and

e-ii) subsequent substitution reaction of the leaving group X with dimethylamine to provide the compound of formula (VII).

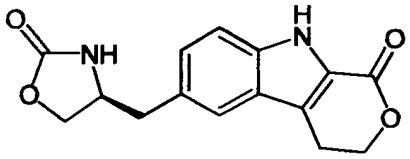
6. (Currently Amended) Process as claimed in Claim 5, ~~characterised in that~~ wherein said leaving group X is chosen between an atom of halogen, a mesylate group or a tosylate group.

7. (Original) Synthesis intermediate of formula (IV):



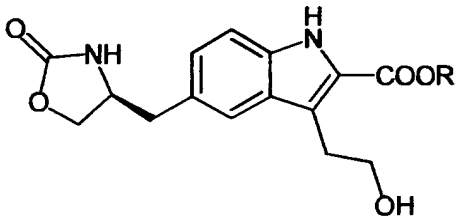
(IV)

8. (Original) Synthesis intermediate of formula (V):



(V)

9. (Original) Synthesis intermediate of formula (VI):

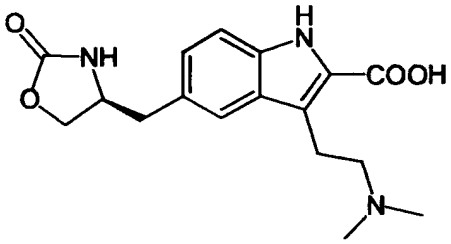


(VI)

where R represents a straight or branched C1-C4 alkyl chain.

10. Cancelled

11. (Original) Synthesis intermediate of formula (VIII):



(VIII)